AUTHOR INDEX TO VOLUME 8

Abbas, S. K., 373
Acharya, S., 407
Amano, R. S., 361
Ayyaswamy, P. S., 689

Bauer, H. F., 81
Bell, G. E., 373
Bertelà, M., 429
Bontoux, P., 613
Boulos, M. I., 187

Camera-Roda, G., 429
Carey, V. P., 317
Chan, Y. L., 65
Chang, C. H., 349
Chang, W. S., 169
Cheng, P., 349
Churchill, S. W., 383
Colwell, G. T., 169
Comini, G., 133
Correa, S. M., 99

Dawson, P. R., 45
Del Giudice, S., 133
de Vahl Davis, G., 613
Dietrich, D. E., 335

Fujii, K., 383

Glass, D. E., 497
Guymon, G. L., 115

Hromadka, T. V., II, 115
Hsiao, J. S., 653
Hunt, R., 203, 449
Hurford, A. C., 613

Incropera, F. P., 707

Kelmanson, M. A., 245
Kuriyama, H., 383

Latimer, B. R., 635
Lawal, A., 217

McRae, D. S., 497
McTigue, D. F., 45
Minkowycz, W. J., 349
Mostaghimi, J., 187
Mujumdar, A. S., 217

Özişik, M. N., 497
Ozoe, H., 383

Park, K. H., 317
Patankar, S. V., 259, 595
Pfender, E., 731
Phillips, R. E., 25, 573
Pollard, A., 635
Prakash, C., 259
Prata, A. T., 667
Proulx, P., 187

Rajagopal, K. R., 485
Ramadhyani, S., 595
Ranganathan, P., 469
Raw, M. J., 559
Ren, A. L., 149
Riley, D. S., 449
Roache, P. J., 519
Rosenberger, F., 613
Roux, B., 613

Sadegh, A. M., 485
Santarelli, F., 429
Schiroky, G. H., 613
Schmidt, F. W., 25, 573
Schneider, G. E., 537, 559
Schutt, J. A., 707
Shibata, T., 383
Shih, T. M., 1, 149
Shyy, W., 99
Sim, Y. S., 299
Singhal, A. K., 505
Smutek, C., 613
Sparrow, E. M., 667
Sundararajan, T., 689

Thibault, J., 281
Tien, C. L., 65
Tong, S. S., 99
Tsang, C. H., 407

Vick, B., 497
Viskanta, R., 469

Wilhelmi, H., 731
Wilks, G., 203, 449
Wimmer, W., 731
Wormeck, J. J., 335
Wozniak, Z., 751

Yang, W.-J., 299

Zedan, M., 537

SUBJECT INDEX TO VOLUME 8

Complex-variable boundary-element method, algorithm to reduce approximation error from, applied to soil freezing, 115
Compressible reactive gas flow, optimized implicit scheme for, 335
Convection-diffusion equation, solution of by finite-element method, 595
Convective and radiative recirculating flows in enclosures, 149
Counterflow heat regenerator, dynamics of transient states of, 751

Elliptic equations, marching methods for, 519

Finite-difference analyses, algorithm for, with melting and solidification, 653
Finite-difference modeling of Stefan problem, implicit solution procedure for, 559
Finite-element method:
  solution of convection-diffusion equation by, 595
  solving Navier-Stokes equations by, 259
Fluid flow problems, velocity and pressure computation in, coupled strongly implicit procedure for, 537
Forced convection evaporation, 667

Heat balance integral method, convergence properties of, 373
Heat diffusion equation, solution of, 281
Heat transfer:
  literature survey on, 1
  in long, thin domains, asymptotic integral equation method for, 245
  progress in, 505
  turbulent, in corotating annular disks, 299
Hyperbolic heat conduction, numerical solution of, 497

Inductively coupled plasma, flow and temperature fields in, 187

Laminar forced convection problems, boundary integral equation method for study of, 485
Laminar mixed convection, simulation of, in entrance region of horizontal rectangular ducts, 707
Low Prandtl number MHD convection about a semi-infinite horizontal plate, 203

Mixed convection about a nonisothermal cylinder and sphere, in porous medium, 349
Mixed laminar convection in a participating irradiated fluid, 429
(k-ϵ) model of turbulent flow, 133
Moving liquid drop experiencing condensation, evaluation of heat and mass transfer to, 689
Multidimensional finite-difference modeling of the Stefan problem, new implicit solution procedure for, 559
Multigrid techniques for solution of passive scalar advection-diffusion equation, 25

Natural convection:
  flow near a vertical surface at low Prandtl number, 317
  in fluid-saturated creeping porous media, 45
  in fully partitioned inclined enclosure, 407
  in spherical annulus, three-dimensional numerical analysis of, 383
  two-dimensional, 65

Passive scalar advection-diffusion equation, multigrid techniques for solution of, 25
Porous medium, mixed convection about a nonisothermal cylinder and sphere in, 349
Power-law fluids, laminar flow and heat transfer in, 217
Pressure-velocity coupling solution algorithms, comparison of, 635

Recirculating flows:
  calculation of using body-fitted coordinate system, 99
  multilevel-multigrid technique for, 573
Rectangular solid with gas-filled cylindrical hole, heat transfer through, 469

Soil freezing, complex-variable boundary-element method applied to, algorithm to reduce approximation error from, 115

Three-dimensional convection in horizontal cylinders, 613
Transient operating characteristics of low-temperature heat pipe, 169
Transport phenomena in anode region of high current arcs, modeling of, 731
Turbulent flow, (k-ϵ) model of, 133
Turbulent mass transport downstream of an abrupt pipe expansion, 361
Two-dimensional laminar vertical jet with positive or adverse buoyancy, 449

Velocity and pressure computation in fluid flow problems, coupled strongly implicit procedure for, 537

Weightless conditions, heat transport in, 81